1 VQE results Aer Estimator (With Shots)

			(Full Hamiltonian)		Harmonic Oscillator		COYBLA Max 10k Iterations				
Ansatz	Tolerance	Shots	Converged runs	Mean iter	VQE min E.	σ_{min}	Δ_{min}	VQE median E.	Δ_{median}	Exact	Time
RA r1 rl	1e-01	10000	100/100	40	7e-04	$2.6454e{-04}$	7e - 04	7.5e - 03	7.5e - 03	0e+00	00h 05m 06s
RA r1 rl	$1e{-01}$	10000	100/100	40	7e - 04	$2.6454e{-04}$	7e - 04	7.5e - 03	7.5e - 03	-	$00h\ 05m\ 06s$
RA r1 rl	1e - 02	10000	100/100	59	0e+00	0e+00	0e + 00	$1.9e{-03}$	$1.9e{-03}$	-	$00h\ 06m\ 41s$
RA r1 rl	1e - 03	10000	100/100	70	0e+00	0e+00	0e + 00	$2.1e{-03}$	$2.1e{-03}$	-	$00h\ 07m\ 45s$
RA r1 rl	1e - 04	10000	100/100	87	0e+00	0e+00	0e + 00	2.15e - 03	$2.15e{-03}$	-	$00h\ 09m\ 40s$
RA r1 rl	1e - 05	10000	100/100	95	0e+00	0e+00	0e + 00	$3.45e{-03}$	$3.45e{-03}$	-	$00h\ 10m\ 36s$
RA r1 rl	1e - 06	10000	100/100	102	0e+00	0e+00	0e + 00	2.35e - 03	2.35e - 03	-	$00h\ 10m\ 28s$
RA r1 rl	1e - 07	10000	100/100	119	1e-04	9.9995e - 05	1e - 04	$2.4e{-03}$	$2.4e{-03}$	-	$00h\ 10m\ 58s$
RA r1 rl	$1e{-08}$	10000	100/100	130	0e+00	0e+00	0e+00	$1.8e{-03}$	$1.8e{-03}$	-	$00h\ 12m\ 02s$
Ansatz	Tolerance	Shots	Converged runs	Mean iter	VQE min E.	σ_{min}	Δ_{min}	VQE median E.	Δ_{median}	Exact	Time

Table 1